

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

17548 U.S. PTO  
10/701013  
110403

**NEW APPLICATION TRANSMITTAL**

Transmitted herewith for filing is the patent application of  
Inventor(s): Rory A. J. Curtis, et al.

For: NOVEL POTASSIUM CHANNEL MOLECULES AND USES THEREFOR

**1. Type of Application**

This new application is for a(n)

- ☐ Original (nonprovisional)
- ☐ Design
- ☐ Plant
- ☒ Divisional.
- ☐ Continuation.
- ☐ Continuation-in-part (C-I-P).

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**CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10\***

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

- ☒ deposited with the United States Postal Service in an envelope addressed to the Mail Stop Patent Application,  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**37 C.F.R. SECTION 1.8(a)**

**37 C.F.R. SECTION 1.10\***

- ☐ with sufficient postage as first class mail.

- ☒ as "Express Mail Post Office to Addressee"  
Mailing Label No. EL961947282US

**TRANSMISSION**

- ☐ transmitted by facsimile to the Patent and Trademark Office.

  
Signature

Scan Hunziker

(type or print name of person certifying)

Date: November 4, 2003

**\*WARNING:** Each paper or fee filed by "Express Mail" **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. Section 1.10(b).  
"Since the filing of correspondence under [Section] 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will **not** be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

**Practitioner's Docket No. : MPI99-025CP2DV1M**

**2. Benefit of Prior U.S. Application(s) (35 U.S.C. Sections 119(e), 120, or 121)**

- ☒ The new application being transmitted claims the benefit of prior U.S. Application Serial No. 09/561,763 filed April 28, 2000, which claims priority to U.S. Patent Application Serial No. 09/431,367 filed November 1, 1999, and U.S. Patent Application Serial No. 09/259,951 filed March 1, 1999.

**3. Maintenance of Copendency of Prior Application**

- A. ☐ Extension of time in prior application  
B. ☐ Conditional Petition for Extension of Time in Prior Application  
*(complete this item, if previous item not applicable)*  
☐ A conditional petition for extension of time is being filed in the pending prior application.  
☐ A copy of the conditional petition filed in the prior application is attached.

**4. Abandonment of Prior Application (if applicable)**

- ☐ Please abandon the prior application at a time while the prior application is pending, or when the petition for extension of time or to revive in that application is granted, and when this application is granted a filing date, so as to make this application copending with said prior application.

**Notification in Parent Application of This Filing**

- ☐ A notification of this continuation is being filed in the parent application from which this application claims priority under 35 U.S.C. Section 120.

**5. Papers Enclosed**

**Required for Filing Date under 37 C.F.R. Section 1.53(b) (Regular) or 37 C.F.R. Section 1.153 (Design) Application**

87 Pages of Specification, including  
79 Pages of Description  
7 Pages of Claims  
1 Page of Abstract  
26 Sheet of Drawings (Figure(s) 1-22D)

- ☐ The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. Section 1.84(b).  
☒ Formal  
☐ Informal

Practitioner's Docket No. : MPI99-025CP2DV1M

**6. Additional Papers Enclosed**

- ☒ Information Disclosure Statement (37 C.F.R. Section 1.98)(2 pages)
- ☒ Form PTO-1449 (PTO/SB/08A and 08B)(16 pages)
- ☐ Citations
- ☐ Declaration of Biological Deposit
- ☒ 23 pages of paper copy of Sequence Listing (37 CFR Section 1.821-1.823) and 4 pages of Submission of "Sequence Listing," Computer Readable Copy, and/or Amendment Pertaining Thereto for Biotechnology Invention Containing Nucleotide and/or Amino Acid Sequence (37 CFR Section 1.821(f))
- ☐ Authorization of Attorney(s) to Accept and Follow Instructions from Representative
- ☐ Special Comments
- ☒ Other: Preliminary Amendment (29 pages)

**7. Declaration or Oath (including power of attorney)**

- ☒ (10 pages) Copy of the executed Declaration, Petition and Power of Attorney executed by inventor, Inmaculada Silos-Santiago, filed in prior U.S. Application Serial No. 09/561,763 (4 pages); and copy of the executed Declaration, Petition and Power of Attorney executed by inventor, Rory A. J. Curtis, filed in prior U.S. Application Serial No. 09/561,763 (6 pages). Copy of Revocation Transmittal, Revocation of Prior Powers of Attorney and Appointment of New Power of Attorney, Change of Attorney Docket Number, and postcard filed April 9, 2003, in prior U.S. Application Serial No. 09/561,763 (5 pages).
- ☐ Not Enclosed.

**8. Assignment**

- ☒ Assignment of the invention filed in prior U.S. Application Serial No. 09/561,763, filed April 28, 2000, to Millennium Pharmaceuticals, Inc., a copy of which
  - ☒ is enclosed (4 pages).
  - ☐ will follow.

Practitioner's Docket No. : **MPI99-025CP2DV1M**

**9. Fee Calculation (37 C.F.R. Section 1.16)**

**A.**     ☒     Regular application

| CLAIMS AS FILED   |                 |                        |                 |         |   |
|---|-----------------|------------------------|-----------------|---------|---|
| Claims  | Number<br>Filed | Basic Fee<br>Allowance | Number<br>Extra | Rate    | Basic Fee 37<br>C.F.R. Section<br>1.16(a)<br>\$770.00 |
| Total Claims (37 C.F.R.<br>Section 1.16(c))                           | 21              | - 20 =                 | 1               | \$18.00 | \$18.00   |
| Independent Claims (37<br>C.F.R. Section 1.16(b))                     | 3               | - 3 =                  | 0               | \$86.00 | \$0.00  |
| Multiple Dependent<br>Claim(s), if any (37<br>C.F.R. Section 1.16(d)) | 0               | \$280.00               |                 |         | \$0.00  |

**Filing Fee Calculation**

**\$782.00**

- ☐     Amendment canceling extra claims is enclosed.  
☐     Amendment deleting multiple-dependencies is enclosed.  
☐     Fee for extra claims is not being paid at this time.

Practitioner's Docket No. : MPI99-025CP2DV1M

**10. Method of Payment of Fees**

- ☐ Check in the amount of \$\_\_\_\_\_.
- ☒ Charge Account No. 501668 in the amount of \$782.00
- A duplicate of this transmittal is attached.

**11. Authorization to Charge Additional Fees**

- ☒ The Commissioner is hereby authorized to charge the following additional fees by this paper and during the entire pendency of this application to Account No. 501668.
- ☒ 37 C.F.R. Section 1.16(a), (f) or (g) (filing fees)
- ☒ 37 C.F.R. Section 1.16(b), (c) and (d) (presentation of extra claims)
- ☒ 37 C.F.R. Section 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
- ☒ 37 C.F.R. Section 1.17(a)(1)-(5) (extension fees pursuant to Section 1.136(a).
- ☒ 37 C.F.R. Section 1.17 (application processing fees)
- ☐ 37 C.F.R. Section 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. Section 1.311(b))

**12. Instructions as to Overpayment**

- ☒ Credit Account No. 501668.
- ☐ Refund

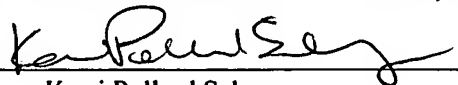
**13. Correspondence Address**

Direct all future correspondence to:

Customer Number 30405  
OR  
Intellectual Property Department  
MILLENNIUM PHARMACEUTICALS, INC.  
75 Sidney Street  
Cambridge, MA 02139

November 4, 2003

MILLENNIUM PHARMACEUTICALS, INC.

By   
Kerri Pollard Schray  
Registration No. 47,066  
75 Sidney Street  
Cambridge, MA 02139  
Telephone – (617) 551-3676  
Facsimile – (617) 551-8820

**(X) Statement Where No Further Pages Added**

- ☒ This transmittal ends with this page.